U.S. DEPARTMENT OF AGRICULTURE
Consumer & Marketing Service
Fruit & Vegetable Division
Market News Branch

ARIZONA * FRUIT & VEGETABLE * STANDARDIZATION * SERVICE *

FEDERAL-STATE MARKET NEWS SERVICE

MARKETING YUMA DISTRICT CANTALCUPES

1971 SEASON

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The Federal-State Market News Service opened a field office in Yuma, Arizona on June 1, 1971. This service was made possible by the U. S. Department of Agriculture, Consumer and Marketing Service, Fruit and Vegetable Division and the Arizona Fruit and Vegetable Standardization Service.

The information in this summary was obtained chiefly from the daily reports issued at Yuma. Other sources of information include: The Arizona Fruit and Vegetable Standardization Service under the supervision of Mr. Loren Pike with assistance from Mr. Lloyd Burr, Inspector in Charge of the Yuma district; The Crop Reporting Board, Washington D. C.; The Southern Pacific Rail-road Co.; Pacific Fruit Express Co.; and the U. S. Department of Commerce, NOAA Weather Service under the local direction of Mr. Victor B. Cotten, Meteorologist. It should be understood that some of the figures contained herein may not be complete and are subject to slight revision.

We wish to express our sincere appreciation to members of the industry for their cooperation and time which has made these reports possible.

Requests for additional copies of this summary should be sent to this office or the U. S. Department of Agriculture C&MS.

Fruit and Vegetable Division, Market News Branch, 2503 South Bldg., Washington D. C. 20250.

NARRATIVE REVIEW

Gool weather during most of May and the first part of June delayed development of the cantaloupe crop. The first 100 degree temperature of the season recorded on June 13th came a week later than the all time record established in 1917. The first rail movement reported June 8th was also the latest. Prior to this season records showed June 7, 1965 and June 6, 1945 as the latest dates for rail shipments at the begenning of the season. Warm weather during the last half of June caused cantaloupes to mature rapidly. Shipments behind last season some 400 carlot equivalents at one point, soon caught and surpassed last year's movement.

The deal opened May 28th with 73 crates packed. Last season (also late) opened May 27th with packout of 43 crates. Trucklot movement was recorded on June 1st. Shipments were very light for the next two weeks. Peak volume days were June 21st and 28th each with 147 carlot equivalents. June 29th nearly made it with 146. The peak day last year was June 27th with 98 equivalents. The peak week June 20th, with 890 carlot equivalents and the following week, June 27th, with 783 equivalents compared with last season's peak of 508 and 1969's 778. Parker began shipping on June 19th with peak volume of 39 carlot equivalents on June 28th.

Market News issued the first FOB June 14th. The market opened with Jumbo crate 36s at \$10.00 and 45s \$7.50-8.00. As supplies increased, prices declined leveling at \$6.00 for 36s on July 1st. During the last few days of reporting, supplies were not ample to meet the demand, and prices trended higher. (Table of FOB prices on Page 9). Quality and size were generally good throughout the season. Cnly a few standard & pony crates were packed at the begenning. Second labels, or western choice ranged from \$.50-1.00 per crate lower than first label fruit most of the season.

Rail shipments totaled 1,757 through July 14th. Last year's final was 1,337. Movement by rail included 79% mechanical cars, 20% rail-truck (piggy-backs), and about 1% standard ice cars. Rail shipments are actual number of cars billed regardless of lading. Average lading for all cars was 651 and rail-truck 440. Last year's average lading was 644 per car and 437 per rail-truck.

Truck shipments totaled 710 carlot equivalents compared with 713 last season. Truck figures are tabulated from actual crate count. The conversion factor this year was increased to 600 crates per carlot equivalent. The factor for the past 5 years was 500 crates per carlot equivalent.

7202 acres of cantaloupes were planted in the Yuma District this season compared to 6,755 acres last year. Acreage in the Parker Poston ares was 1,655 acres compared to 1,965 acres last year. Yuma had a record yield this season. The average yield per acre was 205 crates. Last year's average yield per acre was 170 crates. The highest yield prior to this year was 179 crates per acre back in 1954. Total packout was 1,473,223 crates.

Some of the information in this summary is of a general nature. Anyone needing more detail should refer to the daily reports issued from this office.

ACREAGE AND ESTIMATED PRODUCTION REPORTED TO JUNE 1, 1971 WITH COMPARISONS

CANTALOUPES		Yield	per ac	re	Production				
	Harv	ested	For			Ind.	ļ	 -	Ind.
STATE	1969	1970	Harvest 1971	1969	197 0	1971	1969	1970	1971
	_	Acres -			Cwt -		- 1,000 Cwt		
Spring: Florida	18,000 12,800 16,100	1,200 17,800 8,800 8,000 35,800	1,200 12,900 8,900 8,800 31,800	60 70 130 115	70 70 145 140	70 70 125 120 99	72 1,260 1,664 1,852 4,848	84 1,246 1,276 1,120 3,726	84 903 1,113 1,056 3,156
Early Summer: South Carolina Georgia Arizona Group Total	5,800 2,100	3,500 5,200 700 9,400	3,600 4,700 1,600	50 52 110 62	50 60 115	55 55 110	175 302 231	175 312 81 568	198 259 176 633

COMMENT

Spring cantaloupe crop is estimated at 3,156,000 cwt., down 15 percent from 1970. Moderate suppli of Florida cantaloupes should be available during June from central and northern areas. Light harvest began in the Lower Rio Grande Valley of Texas in late April and was past peak by June 1st. At Laredo, harvest started in early June and the Winter Garden and Presidio areas are expected to furnish supplies from about mid-June into July. In Arizona, crop development was retarded by cool weather during most of May. Light harvest began in late May and volume supplies are expected by early June. Harvest of California's crop started May 18th in the Imperial Valley. Volume is expected to pick up with supplies available during June. Palo Verde Valley is expecting good volu in early June.

Early Summer cantaloupe output is forecast at 633,000 cwt., up 11 percent from 1970. The weather has generally been favorable for development of the South Carolina crop. In Georgia, cantaloupes improved with warm temperatures. Vines are setting melons with first harvest expected about mid-June. In Arizona, harvest is expected to start about mid-June.

Source: Statistical Reporting Service - Crop Reporting Board - U. S. Department of Agriculture, Washington, D. C.

Date	Jan Max	uary Min		Feb Max	ruar Min	y Pr	iМа Ма х ∶	rch Min	Pr	Ap: Max l	ril Min	Pr	Max :	May Min	Pr	J. Max	une Min	Pr
1	69	41	_	79	46	_	59	41		82	55	_	91	6 0	_	87	58	_
2	61	45	.04	72	42	-	59	34	-	8 6	วี2	-	90	57	_	84	57	_
3	50	37	-	71	48	-	67	34	-	91	50	_	81	59	-	84	56	-
4	46	33	-	65	40	-	<u>7</u> 8	37	-	89	62	-	78	52	-	91	58	_
5	47	30	-	6 8	38	-	71	49	-	91	56	-	76	55	_	94	57	-
6	45 40	31	-	71	39	-	68	42	-	94	51	-	80	54	T	96	61	_
7 8	48	27	-	74	37	-	76	45	-	85	62	-	76	56	-	94	64	-
9	53 50	24	-	73	42	_	80	41	-	84	53	-	78	56	-	97	65	_
10	59 62	33	-	76	46	-	79	42	-	85	54	-	83	57	_	96	66	-
11	65	32	-	79	44	-	79	41	-	91	54	-	89	59	-	88	66	_
12	60	34 39	-	86 85	47 54	-	7 9	48	-	93	55	-	92	60	-	92	63	_
13	6 0	35	_	85	54	_	83	49	-	92	56 57	-	94	68	-	96	66	-
14	61	34	_	85	48 46	-	70 72	53 39	-	95 76	57 53	~	96	67	_	101	69	_
15	68	39	_	83	48	-	72 80	43	-	76		.07	98	66	_	105	69	-
16	74	45		75	51	T	85	49	-	71 79	52 55	.10	96	69 66	-	109	71 73	_
17	77	51	_	66	49	.03	86	51	_	79 78	51	-	97 86	66	-	109	7 7	_
18	84	54	_	68	47	.05	73	54	_	66	49	_	85	56	_	111 108	82	_
19	88	56	_	74	43	_	77	50	_	72	47	_	90	55	_	107	74	_
20	85	55	_	63	43	_	83	44	_	76	49	_	95	60	_	107	69	_
21	77	56	_	67	40	_	83	46	_	72	52	_	80	57	_	112	71	_
22	75	48	_	69	41		86	48	_	76	46	_	80	52	_	107	78	_
23	72	37	_	63	45	T	89	49	_	80	54	_	90	57	_	104	78	_
24	72	40	_	70	40	_	83	57	-	82	54	_	97	60	_	103	79	_
25	74	38	-	76	38	_	88	51	_	69	50	_	98	64	_	104	78	_
26	78	45	-	62	46	_	88	57	_	71	47	_	95	67	_	106	78	_
27	80	50	_	61	41	_	88	61	_	79	48	_	77	58	_	103	74	_
28	82	51	_	63	39	-	91	57	_	79	54	-	6 8	54	_	100	73	_
29	81	52	_				96	59	_	83	51	_	81	51	_	99	71	-
30	81	48	-				96	55	_	91	55	_	85	59	_	103	69	_
31	7 7	42	-				86	63	_				88	6 0	-	_		
Ave	68.1	41.	4	72.5	43.	9	79.9	48.	0	81.9	52.	.8	86.8	59.	. 3	99,9	69	. o
Ttl Pr	•		.04			.03			_	_	-	.17	-		T	, -		

MONTHLY SUMMARY OF YUMA DISTRICT AGRICULTURE WEATHER CONDITIONS

JANUARY - This was a month of temperature extremes. Temperatures were below normal during the first half of the month and much above normal the latter half. Strong & dry northerly winds blew into the district from the 2nd through the 6th. The minimum of 24 degrees on the 8th was the lowest temperature ever recorded at Yuma International Airport. The maximum temperature of 88 degrees on the 19th was the highest ever recorded in January. The extremely cold and dry air moved into the area during the first week and caused major crop damage. The lowest temperature at survey stations was 10 degrees a Roll, while Wellton & South Gila recorded a low of 14 degrees. There were 24 cold nights during the month and general protection was required 8 nights. Rainfall was below normal with a total of .04".

FEBRUARY - The warm weather of January continued through most of the first half of the month. Cool air moved into the district on the 20th and temperatures were below normal and remained so through the rest of the month. There were 16 cold nights in the month, and the lowest temperature was 26 degrees at Roll and Tacna. General protection was necessary 6 nights mainly because the warm weather had brought out new growth. Rainfall was below normal for the 6th consecutive month with a total of

MARCH - The cold weather of late February continued into early March. Temperatures at survey station this month were the coldest recorded in March since the district was organized. The lowest temperatures 21 degrees at South Gila, and 22 degrees at Gadsden. A low of 24 degrees was recorded on the Yun Mesa, in the Yuna Valley and at Wellton and Parker. Some damage to new growth was reported. There valued through March 15th when the season ended. General protection was required 4 nights. Rainfall continued below normal with none received.

APRIL - Temperatures averaged below normal with above normal precipitation in the month. This was the first month to have above normal rainfall since last August. The total rainfall during this period was 0.31". This was the driest since 0.10" fell in a similar period 15 years ago. Temperatures averabove normal the first 13 days of April and below normal the remainder of the month with several windy days.

MAY - The month was unusually cool with only a trace of precipitation. The average monthly temperation of 73.1 degrees was the lowest since 1933. The mean maximum temperature for the month of 36.8 degrees was the coolest on record except for 86.2 degrees in 1905. The maximum temperature of 68 degrees on the 28th was the record low for the date and also the lowest ever recorded so late in the spring. A record minimum temperature for the date of 51 degrees occurred on the 29th. The sunshine averaged only 89% of possible, equaling the record for least in May.

JUNE - This was the 3rd consecutive month with temperatures below normal. The temperatures averaged below normal until June 13th when the first 100 degree temperature occurred. This was the latest da that this has ever occurred. The previous record was June 6, 1917. The minimum of 82 degrees on the 18th equaled the highest low ever recorded on that date.

DATE	YUI R1	AA Tr	PAR R1	KER Tr	CE AR R1		IM VI R1		BLY R1	THE Tr	CENT CAL R1		TEX.	 AS Tr	MEXI	CO Tr	TO'	TAL Tr	
(Prior 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18							21 5 10 11 8 20 16 31 39 55 58 78 82 43 74 61 38 50	- 18 9 9 16 13 9 8 18 25 40 47 44 3 48 49 35	1 1 2 4 5 7 8 13				379 19 13 11 6 7 4 7 4 3 1 1 2 1		una 1 3 3 7 - 4 3 - 3 3 4 - 2 - 3 -		400 255 26 25 21 27 24 41 44 63 67 92 95 58 103 85 110 102 139	911 ³ 57 37 57 57 58 57 58 57 69 72 64 39 75 86	
19 20 21 22 23 24 25 26 27 28 29 30 July	90 85 117 105 108 101 82 114 89 103 98 81	30 17 30 30 22 18 32 29 13 44 48 42	3 6 13 12 16 21 21 26 22 26	1 4 1 3 7 2 8 5 13 15 7	- - - - 6 4 12 11 23 17	- - 1 5 3 1 7 5 6	63 39 47 31 34 29 8 14 3	27 25 41 37 34 28 17 10 15 4 12	16 16 20 39 48 26 15 24 27 22 16	11 8 12 12 16 24 17 12 15 15			1 2		-	-	169 140 187 181 204 170 127 177 152 165 159 135	69 51 93 80 72 70 89 74 41 94 87	
1 2 3 4 5 6 7 8 9 10 11 12 13	68 67 54 31 35 25 22 18 11 5	26 23 27 10 18 20 18 7 10 13 3 1	23 17 13 16 16 12 10 6 5 - 2	12 10 3 4 4 5 6 6 6 4 4 4 3 -	19 16 17 5 11 7 8 1 6 6 4 3	12 73 66 43 642 1442			6 3 2 1 2 2	10 8 7 6 7 6 4 5 - 5 - 2	3 4 8 17 32 31 48 45 50 49 27 48 37 51	7 10 8 10 14 22 25 24 28 27 13 34 37 36	- - 2 - 4 4 1 1 - 3 2 1	- - - - - - - - - - - - - - - - - - -	-		119 107 94 72 98 77 92 74 73 61 33 56 41 52	57 58 48 36 49 57 56 48 46 51 21 47 51 46	
GRAND TOTAL		710	291	136	176	95	1034	801	336	272`	45 0	301	479 1	194	39	97	4562	3606	

TABLE NO. 4 - 15 YEAR PLANTED ACREAGE, TOTAL CRATES SHIPPED, YIELD, FIRST SHIPMENTS, PEAK SHIPMENTS

DATE	PLANTED ACREAGE	TOTAL CRATES SHIPPED	YIELD PER ACRE	FIRST SHIPMEN		PEAK	DAY	PEAK VOLUME C/L EQUIVALENT
I957 -	13,033	- I,358,394	104		2	June	To	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
1958	10,471	1,525,545	146		24	17	16	. 26 0
1959	12,735	2,013,638	158		22	**	8	3 52
1 96 0	12,454	2,099,97 0	169		26	"	6	337
1961	13,145	1,680,831	12 8		20	**	7	188
1962	14,641	2,136,108	146		29	17	2 3	327
1963	15,913	2,372,523	149	" 2	20	11	11	238
1964	18,013	2,128,589	118	June	1	11	26	268
1965	14,909	1,806,071	121	**	1	11	15	229
1966	13,346	1,894,683	142		27	11	8	25 0
1967	9,049	1,229,717	136	" 2	27	July		87
1 96 8	9,711	1,304,869	134		L5	June	15	101
1969	10,154	1,511,863	149	# 2	27	#	21	163
197 0	6.755	1,154,59 0	17 0	" 2	29	11	27	9 8
1971	7,202	1,4/3,223	205	June	1	June	21&28	147

Truck carlot equivalent for the years 1957-60 basis 310 crates, 1961-65 basis 400, 1966-70 500, 1971 600. Source: Acreage, crates shipped & yield furnished by the Arizona Fruit & Vegetable Standardization Service - Yuma office.

TABLE NO.	5 - 15 YEAR	RAIL AND TRUCK	SHIPMENTS				
	SH	IPMENTS	SEASONS			ments	S 1/430/1°S
DATE	RAIL	TRUCK	TOTAL	DATE	RAIL _	TRUCK	LATOL
I957	3 , 3 <u>9</u> 2	1,219	4,611	1 9 65	7,662	- 1,375 -	7,741
1958	3,335	1,554	4,889	1966	2, 80 9	1,104	3, 913
1959	4,391	1,340	5,731	1967	1,534	812	2.346
196 0	4,099	1,451	5,55 0	19 6 8	1,757	7 3 1	2,4 88
1961	2,874	1,279	4,153	1969	2,085	713	2, 798
1962	3,819	1,469	5,288	1970	1,337	713	2, 0 5 0
1963	3,742	1,874	5,616	1971	1,757	71	2,457
1964	3,273	1,742	5,015				•
Truck car	lot equivalen	 t for the year	 s 1957-60 basi	s 310 crate	s, 1961-65 bas:	is 400	

Truck carlot equivalent for the years 1957-60 basis 310 crates, 1961-65 basis 400 1966-70 basis 500 1971 basis 600

TABLE NO. 6		16 CIT	TES -	RAIL A	ARRIVAI	LS – UI	ILOADS	- TRAC	CK & TF	KUCK AF	RIVALS	5		
JUNE	1	2_	_ 3 _	_ 4 .	7 _	_ 8	9_	_10	<u> 11</u> .	_14_	_15_	_16	_17_	
Arrivals Unloads/Div.	10 2 78	44 39	26 38	23 35	66 46	30 24	25 2 8	8 26	18 48	57 36	38 33	31 24	41 26	
ON TRACK	6 6	71	59	47	67	73	7 0	52	22	43	48	55	7 0	
Truck	57	35	2 5	29	47	32	2 0	33	19	53	28	2 8	40	
JUNE	18	21			24	25	28	29	_30	JULY	2_	<u>6</u> .		
Arrivals Unloads/Div.	4 8 50	11 2 95	64 56	63 59	80 67	69 76	231 141	160 112	134 118	138 100	87 12 5	355 27 8	161 174	
ON TRACK	68	85	93	97	110	103	193	241	2 57	295	2 57	334	321	•
Truck	32	45	33	32	29	3 0	58	17	26	21	28	33	34	

TABLE NO. 7 DAILY F.O.B. SHIPPING POINT PRICES OF CANTALCUPES BY DISTRICTS

		AMUY			IMPERIAL VALLEY	
DATE June	<u>36s</u>	458	27s	<u>36</u> s	<u>458</u>	27s
3	-			13.00	12.00	W-10-W-10-
4 7 8 9		*****	-	13.00	12.00	-
7		~	-	12.00	10.00	
8	-		-	12.00	8.00 -9 .00	
9				12.00	8.00	
10	-			11.00	7.00	
11	~~~	****		10.0 0	7.00	
14 15	10.00	7.50-8.0 0	-	8.00	7.0 0	7.00
15	9.00	7.50	8.00	7.00-8.00	7. 00	7.0 0
16	9.00	7.5 0	8.00	8.00	7.00	7. 00
17	9.00	7.50	8.00	8.00	7.00	7.00
18	9.00	7.50	8.00	8.00	7.00	7.00
18 21 22	8.00	7.00	7,00-7,50	7.0 0	6.00	
22	8.00	7.00	7.00	7.00	6.00	
23	8,00	7.00	7.00	7.00	6.00	******
24	7.00-7.50	6.00-6.50	6.00-6.50	7.00	6.00	
24 25	7.00	6.00	6.00	6,50-7,00	5,50-6,00	
2 8	6.50	6.00	5.50		LAST REPORT	
29	6.00	5.50	5.00			
30	6.00	5.50	5,00			
July			-•			
	6.00	5.50	5.00			
1 2 5	6.00	-	5.00			
5	6.50-7.00		5.50-6. 00			
		LAST REPORT		•		

TABLE NO. 8

CHICAGO CARLOT TRACK SALES

Jumbo crates, carlot track sales and roller sales F.O.B. basis showing range for size and orgin

DATE		YUMA		<u>I</u> M	PERIAL_VALL	EY
7	36s	27 s	45s	36 s	27 s	45 s
June 16 17				9.00 7.50 – 8.00	and any party self-	8.00 6. 50 –7.5 0
16 17 18 21 22 23						
22 23 24	8.00 7.50	7.00		7.00 -7.5 0 7.00		
24 25 2 8	7,00 6.75	6.00-6.50 6.00		7.00 6.00		- Control of Control o
29 3∪ 77	6.00			-		
28 29 30 July 1 2 6	5.50 -6 .00 4.00	5.00 3.50		****		
6	5.25	4.50		AND ASSESSED AND		
6				*******		

	•	NEW YORK				CHICAGO
DATE_	ARRIVALS R1 Tr	SALES (36s)	DATE	ARRIVA Rl	LS Tr	SALES (36s)
June 15 16 17 18 21 22 23 24 25 28 29 30 July	10 3 15 4 5 4 13 1 48 - 22 2 17 1 24 2 22 6 86 3 30 - 45 -	12.00-14.00 12.00 11.00-12.00 11.00-13.00 11.00-12.50 10.50-11.50 10.00-11.00 9.00-10.00	June 15 16 17 18 21 22 23 24 25 28 29 30 July	7 3 18 - 21 2 12 24 11 33 38 16	1 2 1 1	11.50-12.00 8.50-9.00 11.00-12.00 9.00-10.50 8.00-10.00 7.00-8.00
1 2 5 6	39 - 11 - Holiday 103 -	7.00-8.50 6.00-8.00 6.00-8.00	1 2 5 6	31 22 Holida 81	- xy -	9.00-10.00 7.00-8.00 7.00-7.50
	T. A S	ANGELES			SAN	FRANCISCO
DATE	ARRIVALS	SALES (36s)	DATE	ARRIVA		SALES
June 9 10 11 14 15 16 17 18 21 22	- 7 - 13 - 16 - 17 - 15 - 10 - 14 - 33 - 32 - 22	6.00-7.00	June 9 10 11 14 15 16 17 18 21	- - - - - - - -	4 6 6 8 6 4 6 11 8	12.00-12.50 12.00-12.50 11.00-11.50 9.0)-9.50 9.00-9.25
23 24 25 28 29 30 July	- 9 - 15 - 21 - 25 - 18 - 23	6.00-7.00 7.50-9.00 7.50-8.00 6.50-7.50 6.00-8.00 7.00-7.50 6.00-7.00	22 23 24 25 28 29 30 July	-	11 13 17 10 16 unav 9	6.50-7.00 6.50-6.75 6.00-6.50
24 25 28 29 30	- 9 - 15 - 21 - 25 - 18	7.50-9.00 7.50-8.00 6.50-7.50 6.00-8.00 7.00-7.50	23 24 25 28 29 30	Holid	13 17 10 16 unav 9	6.50-6.75